

clean form. Applicant includes herewith an Attachment for Claim Amendments showing a marked up version of each amended claim.

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1. (Amended) A CO₂ slab laser having a gas-filled chamber defined by a tubular housing (10), with at least two electrodes that extend into the tubular housing, said electrodes overlapping one another and forming a discharge chamber, and resonator mirrors provided within said housing, characterized in that

said electrodes are each supported at the opposite ends of said tubular housing,

said mirrors are supported in stationary relationship relative to the electrodes and

said electrodes and mirrors are adjustable relative to one another.

2. (AMENDED) A CO₂ slab laser having a gas-filled chamber defined by a tubular housing, with at least two electrodes that extend into the tubular housing, said electrodes overlapping one another and forming a discharge chamber, and resonator mirrors provided within said housing, characterized in that

said electrodes are each supported at the opposite ends of said tubular housing,

said mirrors are designed in one piece with said electrodes and

said electrodes and mirrors are adjustable relative to one another.

3. (Amended) A CO₂ slab laser having a gas-filled chamber defined by a tubular housing (10), with at least two electrodes that extend into the

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tubular housing, said electrodes overlapping one another and forming a discharge chamber, and resonator mirrors provided within said housing, characterized in that

said electrodes each are held at the opposite ends of said tubular housing,

said mirrors are supported in stationary relationship relative to said electrodes and

said electrodes and said mirrors are adjustable relative to one another.

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5. (Amended) A CO₂ slab laser according to Claim 3, characterized in that the electrodes are designed in one piece with the end pieces.

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9. (Amended) A CO₂ slab laser according to Claim 7, characterized in that the flexible bearing is a bellows.

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11. (Amended) A CO₂ slab laser according to Claim 9, characterized in that the adjusting elements contain piezoelectric crystals which are capable of being driven electrically.

Please add the following new claims:

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14. (Added) A CO₂ slab laser having a gas-filled chamber defined by a tubular housing as set forth in Claim 2, characterized in that the electrodes are held by the end pieces sealing off the tubular housing.

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15. (Added) A CO₂ slab laser according to Claim 3, characterized in that said mirrors are designed in one piece with end pieces forming a part of said housing.

16. (Added) A CO₂ slab laser according to Claim 4, characterized in that said mirrors are designed in one piece with end pieces forming a part of said housing.

17. (Added) A CO₂ slab laser according to Claim 1, characterized in that the tubular housing (10) is designed in two parts, said two parts being interconnected and adjustable relative to one another.

18. (Added) A CO₂ slab laser according to Claim 2, characterized in that the tubular housing (10) is designed in two parts, said two parts being interconnected and adjustable relative to one another.

19. (Added) A CO₂ slab laser according to Claim 3, characterized in that the tubular housing (10) is designed in two parts, said two parts being interconnected and adjustable relative to one another.

20. (Added) A CO₂ slab laser according to Claim 5 characterized in that the tubular housing (10) is designed in two parts, said two parts being interconnected and adjustable relative to one another.

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21. (Added) A CO₂ slab laser according to Claim 14, characterized in that the tubular housing (10) is designed in two parts, said two parts being interconnected and adjustable relative to one another.

22. (Added) A CO₂ slab laser according to Claim 15, characterized in that the tubular housing (10) is designed in two parts, said two parts being interconnected and adjustable relative to one another.

23. (Added) A CO₂ slab laser according to Claim 16, characterized in that the tubular housing (10) is designed in two parts, said two parts being interconnected and adjustable relative to one another.

24. (Added) A CO₂ slab laser according to Claim 3, characterized in that at least one of the end pieces defining said housing is attached to the tubular housing (10) by way of a flexible bearing.

25. (Added) A CO₂ slab laser according to Claim 4, characterized in that at least one of the end pieces defining said housing is attached to the tubular housing (10) by way of a flexible bearing.

26. (Added) A CO₂ slab laser according to Claim 5, characterized in that at least one of the end pieces defining said housing is attached to the tubular housing (10) by way of a flexible bearing.

Concl.

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27. (Added) A CO₂ slab laser according to Claim 1, characterized by adjusting elements (20) that are supported on the tubular housing and act on the electrodes.

28. (Added) A CO₂ slab laser according to Claim 1, characterized in that the tubular housing (10) is designed cylindrical and the electrodes in section form a circular segment whose radius is smaller than the inside radius of the tubular housing.

29. (Added) A CO₂ slab laser according to Claim 1, characterized in that the electrodes and hence the mirrors are fixed relative to one another after adjustment.
